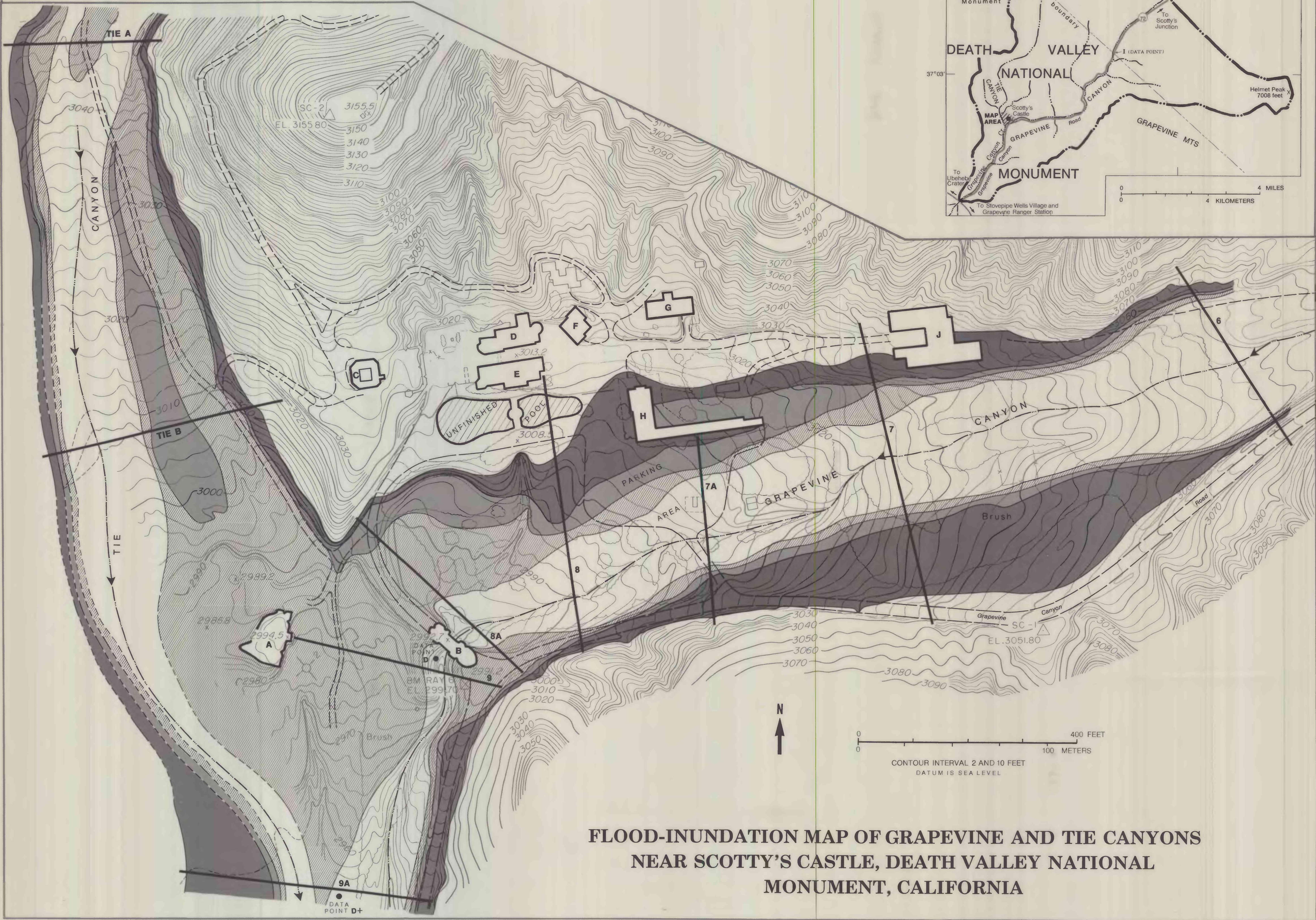


EXPLANATION

- AREAS OF EQUAL FLOOD-HAZARD POTENTIAL FOR SELECTED RECURRENCE INTERVALS--
- 25 year--Probability of exceedence in any one year is 4 percent
  - 50 year--Probability of exceedence in any one year is 2 percent
  - 100 year--Probability of exceedence in any one year is 1 percent
  - Estimated maximum flood ( $Q_{me}$ ). From modified equation derived by Crippen (1982)

NOTE: Recurrence interval is the average time interval between occurrences of a hydrologic event of a given or greater magnitude

- CONTACT--Dashed where inferred from U.S. Geological Survey topographic maps
- 7A LINE OF CROSS SECTION (See fig. 2)
- DIRECTION OF FLOW
- BUILDINGS AND STRUCTURES--
  - A Gravel separator
  - B Castle Gate Bridge
  - C Chimes Tower
  - D-E Castle
  - F Gas tank
  - G Hacienda
  - H Cafe and Garage
  - J Stable
- Roadway and parking area



FLOOD-INUNDATION MAP OF GRAPEVINE AND TIE CANYONS  
NEAR SCOTTY'S CASTLE, DEATH VALLEY NATIONAL  
MONUMENT, CALIFORNIA